


VESSEL FOR CELL SUSPENSION CULTURE

Patent Number: JP8070847
Publication date: 1996-03-19
Inventor(s): KAWAMURA KENJI
Applicant(s): SUMITOMO BAKELITE CO LTD
Requested Patent: 

Application Number: JP19940209822 19940902

Priority Number(s):

IPC Classification: C12M3/02 ; C12M1/22 ; C12M1/24 ; C12M3/04

EC Classification:

Equivalents:

Abstract

PURPOSE: To provide the subject container free from damage and loss of cells and cell blocks during the exchange of a culture solution, facilitating spheroid culture, capable of obtaining a culture system stable for a long time and useful for culture system such as an experimental system, a testing system of a toxicological test for a toxic substance and production of a useful material.

CONSTITUTION: A vessel is divided into two sections by a partition plate 2 or 8. One is a culture section 3 for culturing cells or cell blocks and the other is a culture solution-exchanging section 4 for exchanging a culture liquid. At least a part of the partition plate is consists of a net-like structure 5 or 7 which is impermeable to cells and permeable to a culture liquid.

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(54)【発明の名称】 細胞浮遊培養用容器

(57)【要約】

【構成】 一つの容器内を仕切り板2、8によって、細胞または細胞塊を培養するための培養部3と培養液を交換するための培養液交換部4とに分け、その境界の少なくとも一部に、細胞は透過せず培養液は透過し得る網目状構造物5、7を設けた。

【効果】 培養液交換時における細胞や細胞塊の損傷や逸失がなくなるので、細胞機能の維持に有効な細胞塊(スフェロイド)培養が容易になり、また長期に安定な培養系を提供できるので、培養系を用いた実験系、毒物の毒性試験のための試験系、有用物質の生産等に適用することが出来る。

